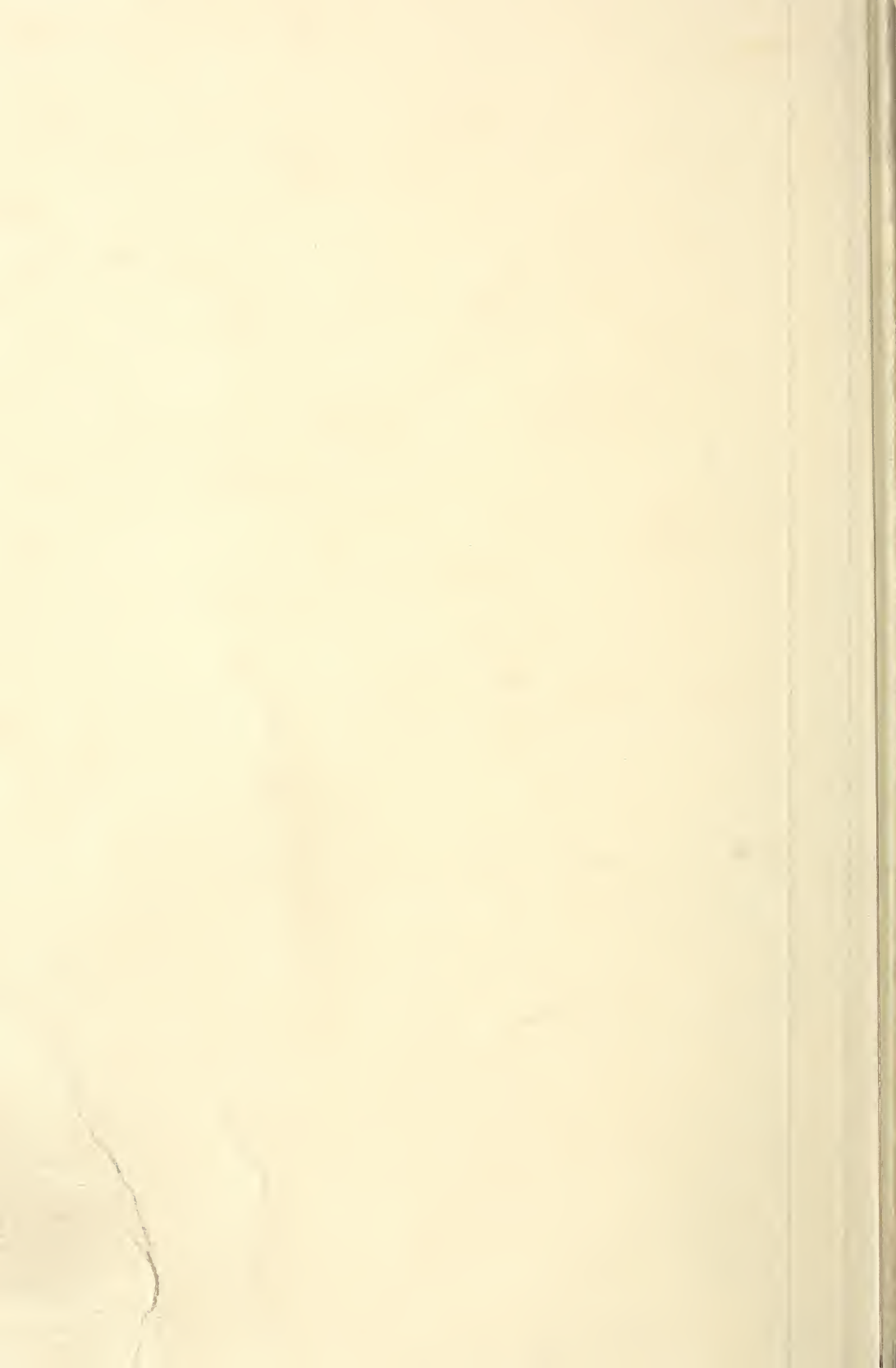


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



62.27

FIELD'S SEED SENSE

"FOR THE MAN BEHIND THE HOE"

Vol. 8

Shenandoah, Iowa, May, 1919

No. 4

Printed and Published in the Private Printshop of the Henry Field Seed Co., Shenandoah, Iowa



Ruth, Georgia, and John Henry Visit Spotted Pigs

The children think it is great fun to go over to the fairgrounds and watch the little pigs. You know we have the fairgrounds leased and have most of the registered Spotted Polands and Durocs over there and it makes a mighty nice place for them. In the winter they lived in the racehorse box stalls, but now they are out on the grass in the little houses shown in the picture.

Each family of pigs is supposed to have a separate house, but they visit around a good bit, and some of them, like children, are seldom at home.

The children thought it was a great joke that these spotted pigs had company to supper, a little red pig from farther down the line, and John Henry has a notion to go and drive him away. But the red pig has his eye on him and is ready to jump and run.

We are still living in town, as the seed business has been so heavy I have had to stay right with it, but we hope to get moved to Manti for the summer by the middle of May. The garden is already planted and up nice, and the strawberries in bloom, and the red cow will be fresh soon, and we have a lot of home cured meat in the smokehouse, and we will be pretty well fixed all around.

Business has been great at the seedhouse spring, and is very heavy yet, but we have got through it in good shape. We have kept right up on everything but the plants. Got a little behind on them but not serious. Looks like the business would go to a million and a half for the season. That's lots of seeds. Only two seed-houses left ahead of us now.

H. F.

Show Your Colors

Prepare for Those Homecoming Events

With the coming of spring everything is fresh and bright. How's your flag? You certainly don't want an old faded, tattered flag floating when those boys come home from "over there."

Now's the time to buy and you should see that every home, school and business house has a flag floating.

U. S. Flags

Cotton Bunting

Cotton material, fast colors, sewed stripes and printed stars, well-made in every respect, with eyelets in corners for attaching ropes. Not mounted on ropes or poles.

Size 3x5 ft. as described above \$1.50 Postpaid
 " 4x6 " " " " 2.25 "
 " 5x8 " " " " 3.00 "

Sampson Bunting

Fast colors, sewed stars and sewed stripes. Will outwear wool and will not be bothered by moths. Heavily headed with canvas and has brass grommets in corners for attaching to a rope or pole.

Size 3x5 ft. as described above \$3.00 Postpaid
 " 4x6 " " " " 4.00 "
 " 4x7 " " " " 4.20 "
 " 5x8 " " " " 5.50 "
 " 6x9 " " " " 6.25 "
 " 6x10 " " " " 6.80 "

(Larger sizes quoted on request)

Standard Wool Bunting

Double warp. Stars sewed on with durable zig zag stitch. Sewed stripes. Fast colors. Very best wool flags on the market.

Size 3x5 ft. as described above \$5.50 Postpaid
 " 5x8 " " " " 10.00 "
 " 4x6 " " " " 7.00 "
 " 6x10 " " " " 14.00 "

(Larger sizes quoted on request)

Foreign Flags

Cotton Bunting

Fast colors, not mounted on staffs but made with heavy canvas headings and brass grommets so they can be attached conveniently to rope or staff.

3x5 ft. American ----- \$1.50 each
 3x5 " Italian ----- 3.00 "
 3x5 " French ----- 2.70 "
 3x5 " English ----- 4.00 "
 3x5 " Belgium ----- 2.70 "
 4x6 " American ----- 2.25 "
 4x6 " Italian ----- 3.25 "
 4x6 " French ----- 2.90 "
 4x6 " English ----- 5.00 "
 4x6 " Belgium ----- 2.90 "

Sampson Bunting

Better than wool but cheaper in price. Wears longer and is not affected by moths. Colors are guaranteed fast. These flags are sewed throughout, not mounted on staffs but made with heavy headings of canvas and brass grommets. Texture of material about the same as wool. Beautiful colors.

3x5 ft. U. S. Flag ----- 2.50 each
 3x5 " French Flag ----- 2.90 "
 3x5 " Belgium Flag ----- 2.90 "
 3x5 " English Flag ----- 6.50 "
 3x5 " Italian Flag ----- 5.00 "

Mixed Silk and Cotton Allied Flags

Mounted on staffs with spear head tops. Material is of part cotton and part silk, fine for small decorative purposes. Size 12x18 inches only. French, British and U. S. flags only.

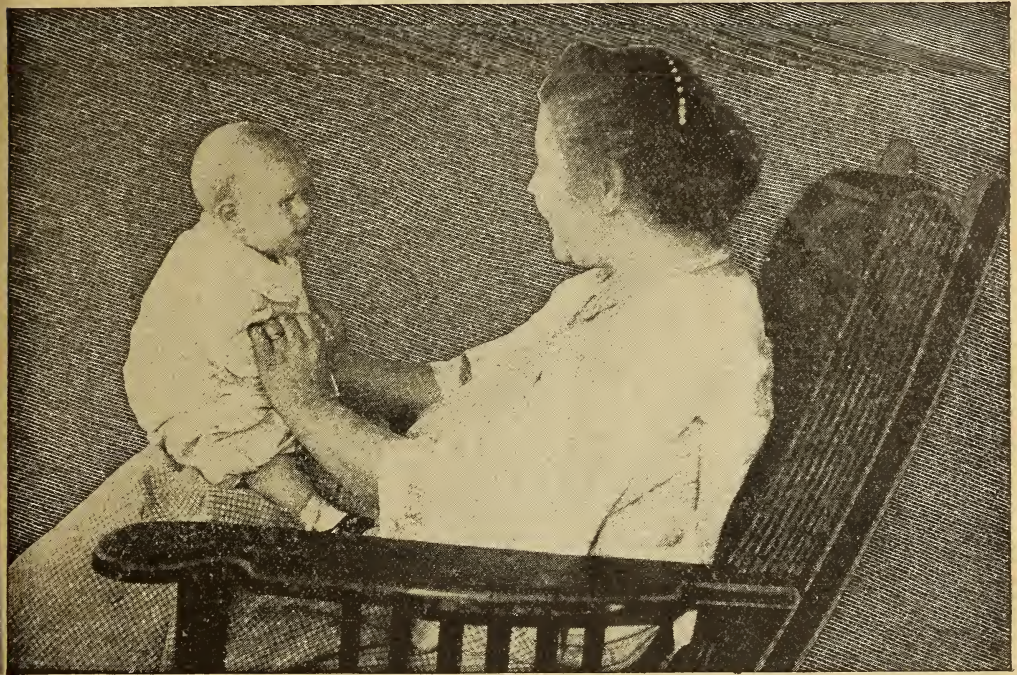
Either nation, 35c each. Set of three \$1.00

Allied Flag Sets

Silk material, mounted on staffs with spear head tops. Size of flags 5x7 inches. Set consists of France, U. S., British, Italian and Belgium Flags. Can supply sets with plain edges or with gold fringed edges. Fine for decorative purposes or for use on automobiles—each set is complete with a holder for attaching to radiator caps.
 Set of five 5x7 inch plain edge allied flags with holder ----- \$1.50 postpaid
 Set of five 5x7 inch fringed edge allied flags with holder ----- \$2.00 postpaid
 Set of three (U. S. British and France) plain flags with holder ----- \$1.00 postpaid
 Single 5x7 inch flags of any allied nation including Japan and Canada (plain edge) each ----- 25c

Liberty Flag Outfit

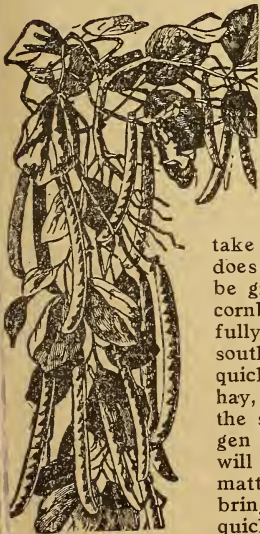
Show your colors on your car by attaching one of these outfits to your radiator cap. The outfit consists of a U. S., French, British, Belgium and Italian Flag, each one 4x6 inches in size, made of special quality silk material, mounted on a steel staff. Each outfit complete with a heavy nickel finished holder already for use. Any automobile owner would be proud of such an outfit. Price complete and postpaid \$1.50.



Baby Letty and Her Mother

Everybody has been fussing at me because I had a picture of Baby Letty in the Seed Sense awhile back with myself instead of with her mother, so now I am doing it right and showing you the two of them together. I judge from the expression that Letty is getting lectured but I don't believe she is taking it very seriously. She is a jolly roly-poly little mortal, as quick as a wink, and always on the go. She is always well as all of our children are.

Cowpeas



Cowpeas

fine growth where clover would be an utter failure

These are not at all like the Canadian or Northern field peas, but are intended for summer and fall use, as they do best in hot weather. They are the kind grown so much in the south, where they take the place that clover does in the north. They can be grown anywhere in the cornbelt fully as successfully as they can in the south. You not only get a quick crop of green feed or hay, but the roots enrich the soil by gathering nitrogen as clover does. They will grow on any soil, no matter how thin, and will bring it up into shape quicker than any crop you can grow. They will make

Culture. Cowpeas should not be sown un-

til the ground is thoroughly warm, say about the time corn is coming up. They should be drilled, as they do much better that way than broadcast.

have sometimes drilled them with a wheat drill, using one bushel per acre. I have also drilled them with a corn planter, leaving them either full corn-row width or straddling the rows and making the rows closer together. In this way you use from a peck to a half bushel per acre. They can be grown for hay or green feed, or can be plowed under for green manuring.

Whipporwill. Is a medium early sort, making a rather stocky and heavy growth of vine with a large amount of seed. It is probably the best general purpose variety grown. Seeds are speckled brown in color. **\$4.50 per bushel.**

New Era. The earliest variety and the quickest to make heavy growth. They are bushy in form, rather than trailing, and will just about meet across a 3-foot row. For the northern part of the cornbelt and for quick results anywhere they are the best variety to grow, making a heavy yield of seed and a fine quality of hay. **\$4.50 per bushel.**

Mixed. Many farmers, especially in the south, prefer to grow the cowpeas mixed, several varieties together, as they claim they get better results one season with another. A great deal of the seed we get harvested from these mixed fields and we have to sell it that way. **\$4.50 per bushel.**

What Our Customers Say About Sudan



Big Profit on Sudan

"Dear Sir: I see in last Seed Sense a statement of itemized costs and returns made on a crop of Sudan grass. I want to give you my experience of last year in Sudan grass. I bought from you 100 lbs. of Sudan seed. A neighbor bought 53 lbs. of the seed. There was a shortage of ten pounds by reason of poor sacking and I had left for seeding purposes just 37 lbs. This I put in with a lister using $\frac{1}{4}$ inch plate and putting in a copper rivit in every other hole in the plate. This plan seeded just seven acres with the 37 pounds of seed. I topped some of the Sudan from which I thrashed 10 bushels of seed and hauled 16 loads of hay that was worth at least \$80.00 and I think that the seed is as good as what I got last year and therefore worth at least \$120.00 making a total of \$200.00 from 37 lbs. of seed. I listed it in, taking one day. I cultivated it 3 times—three days work. Total value of labor up to cutting time \$20.00. Rental of land about \$3.50, net profit of about \$176.50. Now how is this for Sudan in the sand hills? And what's more all stock like and thrive on it.

—W. H. Zenor, Tryon, Nebr.

Sudan Grass Makes Fine Feed

"Dear Sir: The Sudan grass is a whirl-wind to grow and the finest kind of feed for horse or cow and a very fine rich milk producer.

The Mountain Danvers onions are the finest keepers I ever saw. The ones we raised from your seed last year grew to be a good size and are as sound and hard as they were when we stored them away last fall. Yours truly,"—Wm. M. Still, St. Paul, Minn.

Sudan is Well Liked

"I was about the only one to raise any Sudan last year around here, but about one out of three or four are putting in some this year. Some for seed, some for hay and some to get rich on.

I made about \$110.00 per acre from it and had enough feed to run all winter. Yours truly,"

—Victor Hill, Orient, Iowa.

Sudan in Wisconsin

"Dear Sir: We want prices on Sudan Grass seed, want enough to sow (broadcast) three acres.

I am getting my neighbors interested in the stuff. I tried last year to get them to give it a trial, but no, some one had told them if they got it started on the farm they could never eradicate it, so I planted a small patch right by the cheese factory where they could

have a good look at it every morning. It got 8 feet high and I cut three crops and grazed the last (4th crop) and it was 18 in. to 20 in. high. And the H— of it was, they had dry cows in early fall and I was selling them 60c butter all winter. How do you do it they asked? Sudan grass, says I."

—Norris B. Wicks, Dodgeville, Wis

Likes the Sudan Grass

"Dear Sir: I am sending you an order this year again but not quite as big a one as last year but every little helps. We are a little late but you don't mind that as long as we get the seed back in time to plant them. Well, Mr. Field, I am writing these few lines to let you know that the seeds I got from you last year were good. I believe every seed that you sent grew. The Sudan grass surely done me some good. We had enough feed on 6 acres to keep our horses and cattle all winter, about 8 head of horses and 15 head of cattle. We cut the first crop with the binder and believe me it took 4 horses all they wanted to pull through it."—Frank Witcombe, Washta, Iowa.

Sudan Great Cow Pasture

"Dear Friend Henry: Enclosed find a small order for garden seeds. Your prices may seem a little higher than those of the merchants but I've tried both and know 'Field's' are best and cheapest every time and best of all 'Henry's word' is good as gold every time. When discussing any new seeds my husband always says 'Wonder what Henry Field says about it,' and then we hunt 'Field's Sense' and catalog and they decide it all. Last year we purchased 8 lbs. of your Sudan seed and planted it on 2 acres and tended it just like corn. My! what a crop. It grew in spite of hot winds, drought and everything else. Corn across the road from it on good land, well tended died from hot winds but the Sudan stood up green and fine and grew taller than a man could reach, and so thick it looked like a solid green wall. We bound it with a corn binder and set it up in shocks, then stacked and threshed it. It made 25 bushels of fine cleaned seed and a large stack of fine green colored straw. The cattle will leave cane, fodder or wheat straw and fight over the Sudan straw. For making good milk and butter it can't be beat. We pastured milk cows on the stubble field and through rains, dews and frosts. We never had a sick or bloated animal. It grew up from the stubbles and made excellent fall pasture. Well, Henry we can't tell you what a wonderful hay crop it is because you already know but this year we will plant about 40 acres for hay and feel sure we will get two or three cuttings, of the best of hay."

—Mrs. Lois Stewart, Edison, Nebr.



This picture, loaned me by the Iowa Homestead, will give you a good idea of how Dwarf Essex Rape grows and how pigs like it. This is drilled in rows, which I believe is a pretty good idea, but I put mine in with a wheat drill, running it very shallow, and using about 10 pounds of seed per acre. Some people use oats with it but I put mine in alone, about April 10th. Will begin pasturing when about 6 inches high. We like it very much for hog pasture, and it seems to give practically as good results as alfalfa. With plenty of rape and sudan and alfalfa it is an easy matter to grow hogs.

Grow More Rape

Rape Pasture Almost Equal to

Alfalfa for Hogs

By John M. Evvard and W. R. Hechler

Rape, rape, rape and more rape—that should be an important part of the crop program on Iowa farms that carry livestock, particularly swine, sheep and calves.

Rape makes wonderfully good forage, being one of the greatest annual emergency pasture crops of the corn belt.

An acre of rape recently pastured with young growing pigs by the Animal Husbandry Section of the Iowa Agricultural Experiment Station, saved 366 pounds of corn and close to half a ton of meat meal tankage, actually 881 pounds. Valuing the corn at \$1.50 a bushel and the meat meal tankage at \$100 a ton, this rape acre replaced \$53.86 worth of these high priced feeds.

Rape is an exceptional forage crop for Iowa conditions. This is all the more appreciated when we emphasize that in good rape years, pigs pastured on this forage require less grain feed for 100 pounds of gain than when grazed on alfalfa. This is an "efficiency" commentary on the rape, because alfalfa is the greatest American pasture and forage crop.

To get an adequate idea of the relative value of rape and alfalfa pastures, it is well to give a few figures upon some weanling pigs, taking them from about 50 pounds in weight up to the handy, marketable size of 225 pounds, these pigs being fed respectively on alfalfa and rape pastures.

One group on each pasture was self-fed, "free-choice" style, being given shelled corn, meat meal tankage and rock salt in separate feeders. On alfalfa pasture, it took 121 days for them to gain from approximately 53 pounds to

225 pounds; on rape pasture, it took 122 days, or practically the same time. The feed requirement for 100 pounds of gain on alfalfa was 342.7 pounds of shelled corn plus 31.7 pounds of meat meal tankage, a total of 374.4 lbs; on rape this showing was even better, the requirement being 342.5 pounds of shelled corn plus 22.4 pounds of meat meal tankage, a total of 364.9 pounds, or a little less corn and practically 9 pounds less of meat meal tankage was required on rape as compared to alfalfa pasture. Notice particularly that actually less of this high priced \$100 a ton material from the packing house was required on rape than on alfalfa pastures, thus indicating that rape is a very high protein and mineral supplemental feed.

Where the pigs were carried thruout the summer on about a three-fourths corn ration and then put on full-feed after the forage season closed, the results show up even better in favor of rape. The results in brief are these: On alfalfa pasture it took 148 days, but on rape only 45 days, or three days less. On alfalfa pasture it took 353.4 pounds of corn, but on rape only 335.2 pounds of corn, or 18.2 pounds less than with alfalfa for each 100 pounds of gain. On alfalfa it took 35.4 pounds of meat meal tankage for every 100 pounds of gain but on rape only 25.8, a saving of 9.6 pounds of tankage in the putting on of each 100 pounds on foot.

This evidence in itself is enough to convince those who realize the high value of alfalfa pasture that rape is a superior forage crop. But it is well to bear in mind, of course, that altho the above results demonstrate the high quality of rape pasture when it is used for balancing the corn and similar grain rations, yet they do not bring home to one's mind just what is the carrying capacity of rape as compared to alfalfa pasture, or in other words the relative yields.

In the Ames experiments, a yield of "five tons field cured hay to the acre" alfalfa pasture grown on 50 bushel corn land will yield enough

to carry, if pastured to the limit, from 30 to 50 pigs from weaning time in June on to the close of the season, or about the middle of November, when a very liberal grain ration is fed. Ordinarily, tho, we pasture only about one-third to one-half as many pigs as this on such alfalfa, or from 10 to 25 or possibly 30, so that we can take off our regular first, second and sometimes the third cuttings. On rape pasture, we practically count on the carrying of from 20 to 30 pigs to the acre under similar conditions.

Of course, if one limits the ration very severely, then he cannot pasture so many to the acre on either alfalfa or rape. Generally speaking, however, our results have shown that it pays to feed a very liberal ration on both of these pastures, particularly to young growing pigs that are being pushed for market, and quite decidedly so on those fall shoats that are being rushed for August, September or October markets.

Time Now to Plant Sudan Grass

It is just coming time of the year now to plant Sudan grass. It should not be planted, you know, until the ground and the weather are fairly warm. Here with us, that means about May 15th or May 20th. Farther south it would mean a little earlier and farther north a little later. It matures so quickly, however, that it would be safe to plant it as late as the last of June, but it would be hard in the northern states to ripen seed very well, planted as late as the last of June. It would make lots of fodder, however, and a profitable crop anyway, but you would be safe anywhere planting it for a crop of either seed or fodder as late as June 10th. It will make a good crop of hay in 8 weeks from planting the seed, or a crop of ripe seed in about 12 weeks. This would mean that if you planted the seed, say June 1st, you would get a good crop of hay about August 1st and then cut the seed about September 1st.

You should use about 20 pounds of seed per acre if broadcast or put in with a wheat drill or 3 to 5 pounds per acre in rows. It will make more and better feed under any conditions than anything I have ever grown.

Hunt up your April Seed Sense and on page 7 you will find a complete catechism on Sudan grass. It will answer all questions you are likely to ask about it. If you don't have the April Seed Sense, let me know and I will send you a copy.

The main thing I want to impress on your mind, however, is that there is plenty of time to plant it yet. If you have been putting it off, there is no harm done, for you shouldn't plant it before the middle of May anyway. If you have not yet made up your mind thoroughly about it, now is the time to get busy and order your seed and have it there so you can plant it any time between the middle of May and the middle of June. Remember to plant it thin and shallow. If you plant it too thick it will crowd itself and grow small. If you plant it too deep, it will never come up. Get the ground prepared in good shape and plant it in rows just like you would corn. Don't broadcast it. It will not do well broadcasted. Plant it in rows and cultivate it like corn and it will repay you for the work. Three pounds of seed per acre is plenty. See page 16 for prices.

A Bargain in Millet Seed

I don't believe very much in using Millet. I believe Sudan is better, but there are lots of good farmers who disagree with me and use lots of Millet.

We have secured a bargain in a car of Common or Fodder Millet, the kind that is universally grown for hay purposes and we can make a special low price for this month of **\$2.00 per bushel or \$4.00 per 100 lbs.** Please mention this offer when ordering.

We have a limited amount of straight Golden Millet, also the Siberian Millet, but we have to have more money for them. The Millet that we have that we are offering @ \$2.00 per bushel is the common Missouri Millet that is used universally for hay purposes, which is generally spoken of as Fodder Millet.

Rape for Hogs

"The 40 pounds of rape I got made me more money than anything I ever saw. I planted 4 pounds of rape and 1 1/4 bu. of oats real early. The hogs have practically lived on the rape with a little corn till about 3 weeks ago. I fattened my fall pigs that run on the rape till I began shucking corn in a very few weeks, not over 6, and they made a splendid gain, weighed 250. These were pure bred Durocs.

I would not be without rape under any consideration. It made good pasture out here in Kansas during the dry weather when the alfalfa was practically dried up and greened up with a fresh growth after rains much better than alfalfa unless the rains were real heavy and often."—Will Fogo, Burr Oak, Kans.

Plenty of Soy Beans

Don't forget about planting Soy Beans in the corn. It is the nearest to getting something for nothing I have ever found. It will cost you only about 50c per acre for the seed, possibly less than that. The best way is to plant the Soy Beans right in with the Corn right in the same row and hill. This can be done by mixing the seed in the planter boxes, or better yet by getting an attachment to go on your planter. This attachment can be bought for about \$12.00 for any make of planter through your local dealer, and plants the Soy Beans at the same time as the Corn, dropping the seed right in the row with the Corn. You should use from 3 to 5 lbs. of Soy Beans per acre. We will sell you the seed for **9c per lb. or \$5.40 per bushel.**

It is generally best to inoculate the seed. It costs very little and is good insurance. Everyone might not need inoculation for Soy Beans, but it would be better to be on the safe side. Inoculation costs you at the rate of about 1c for each pound of Beans. See prices on the back page. On Soy Beans, the one acre size will do for 100 lbs. of Beans.

We have a very fine stock of Soy Beans and would be glad to have your order. We can furnish any of the varieties named in the monthly price list and can make immediate shipment.

Seeds and Plants

"Gentlemen: I received the Alfalfa plants yesterday and am well pleased with them. The strawberry plants arrived in splendid condition also. We have had such good luck with Field's seeds of late that we are trying a 'Field's Special' this season, you will see that by the number of orders."

—Mrs. A. Rougemont, Breckenridge, Mo.

Entertainment Books

I intend to use books as premiums another season, among other premiums, to those who sell seeds for us. Here is a list of some good ones and I shall keep on adding to the list.

These books are for sale now and will cost but 30c each postpaid. They are good today and will be good for twenty years. Look over the titles and see for yourself.

All in this list have Strathmore Khaki colored paper covers, decorated front; printed from new plates on good paper. Each has 160 pages ($4\frac{3}{4}$ by $7\frac{1}{4}$), except one, which has 185.

Just try one or several from this bunch and see if I haven't found something desirable for all members from your household. Same guarantee on these books that I have on the seeds and plants. Money back if you are not more than pleased.

Here's the list:

Funny Stories Told by the Soldiers.

A Bunch of Smiles.

A Little Nonsense.

Flashes of Irish Wit.

Some Irish Smiles.

Stories from the Trenches.

Anecdotes of the Great War.

The Funny Side of Life.

Vaudeville Wit.

Ford Smiles.

Wit and Humor of Abraham Lincoln.

New Books of Conundrums and Riddles.

The Amateur Trapper.

How to Box.

Comic Declamations and Readings.

Wartime and Patriotic Selections.

Junior Recitations.

Holiday Recitations.

Fun for Friday Afternoons (dialogues).

Friday Afternoon Dramas.

District School Recitations.

Comic Dialogues for Boys and Girls.

Entertaining Dialogues.

I have the books here ready to send out from here at 30c each postpaid.

Tobacco Dust for Bugs

Now is the time to lay in a supply of tobacco dust for the bugs and plant lice. If you wait until they appear it will be too late. Always figure on delayed freight or express and order early enough so that the Railroad Companies can hold shipment up along the line as long as they like and yet reach you in time for the bugs and lice.

Figure this expense as a form of insurance. I don't know that you will need it but you can't afford to take chances. Tobacco dust is one of the best things I know of to drive the striped bugs away and kill the lice. The bugs and lice are not fond of tobacco as poor depraved man and promptly move out when dusted. Sprinkle the dust on the plants when they are small and on the underside of the leaves for the lice.

Price: 12 lbs. for \$1.00; 25 lbs. @ $7\frac{1}{2}$ c per lb.; 100 lbs. lots or more, 6c per lb. Customers to pay transportation.



A Happy Family

This is one of our grade Spotted Poland sows and her litter of 9. Yes, there are 9 pigs there but you can't see but 8, for the other one is at the bottom of the pile. I bought 5 of these sows at a farm sale here along in the winter, and they were supposed to be full blood stuff, but the papers had never been kept up, so they go as grades. But they sure are nice sows and nice litters of pigs, about 40 pigs in all.

We are cleaning out all our grades however and will keep nothing but registered stuff from now on, so these will have to go. The sow pigs ought to go to somebody for brood sows though, papers or no papers, for they are nice, thrifty, stretchy, beautiful little sow pigs as I ever saw, and have very evidently got the right kind of breeding back of them.

So I have decided to offer them for sale at \$30.00 each, when 10 to 12 weeks old, which will be in June. We will crate them carefully and guarantee safe arrival. You pay the express. They range from quite light to almost black in color.

Understand they are guaranteed to be healthy thrifty good pigs every way, but without papers.

Cane Seed is Lower. \$2.25 Per Bu.

I am happy to say that there is at least one thing that has dropped in price to the old low prices before the war.

That is Fodder Cane. It seems to be plenty this year and of excellent quality. It was slow coming on the market as everyone was slow threshing, and during the first part of the season we were unable to accumulate any very big supply, but now there seems to be plenty of it and we have just purchased a car of very fine Fodder Cane at a low price.

We have revised our prices downward on Cane seed and are offering Amber Fodder Cane @ \$4.50 per 100 or \$2.25 per bushel. We also have some mixed Fodder Cane, mostly Amber with a little Orange mixed in it, which we can sell you at the same price, \$4.50 per 100 or \$2.25 per bushel.

Straight Orange Fodder Cane, however, is still rather scarce and we cannot make a lower price on it. The best we can make on Orange Fodder Cane is \$3.00 per bushel.

Please remember now the low price on Amber Fodder Cane, \$2.25 per bushel, \$4.50 per 100, net F. O. B. here, bags weighed in free. Quality and germination guaranteed

Field's Seed Sense

FOR THE MAN BEHIND THE HOE

Published Monthly by the

HENRY FIELD SEED COMPANY

Field Building, Shenandoah, Iowa

And Printed in Their Own Private Printshop

Henry Field, Editor E. F. Vincent, Mng. Editor

SUBSCRIPTION PRICE: 25c per year or 5 years for \$1.00.

Is Sudan a Safe Pasture Crop?

I have a great many inquiries from customers who want to know whether or not it would pay to pasture Sudan, especially with cattle.

Of course, they have heard, as every one has, of loss of cattle from poison which sometimes develops in Sorghum, Kaffir or Milo, especially late in the fall when it is either stunted or frosted or both, and knowing that Sudan is a member of the Sorghum family they naturally wonder whether Sudan will act the same way.

I have investigated the matter very thoroughly and cannot find any record of any danger of this kind.

In fact, I have kept a standing inquiry in Seed Sense for several years asking customers to report any damage to stock they have known from pasturing Sudan and I have never had a single report yet of anything of that kind.

In order to get some definite information on the subject I wrote recently to the Experiment Stations of Nebraska, Kansas, and Oklahoma as they are the states that have had the most experience with Sudan.

It would take too much space to give the answers in full, but here are extracts from the answers from all three colleges received within the past few days.

J. H. Cain of the University of Nebraska. "Replying to your inquiry concerning the danger of pasturing Sudan, will say that we have had no reports of this being dangerous in any way. If we should have any reports of this character we will be glad to advise you later."

M. A. Beeson, Oklahoma Agricultural College, Stillwater, Okla. "I have not heard of any prussic acid poisoning caused from Sudan Grass except in the state of Washington."

C. W. McCampbell, Kansas Agricultural College, Manhattan, Kans. "I have personally known of many instances where Sudan has been used in pasturing stock and have never yet known of any injurious effects from pasturing it. We are planting Sudan this year for pasturing purposes and expect to run tests with horses, hogs, cattle and sheep."

C. W. Mullen, Kansas State Agricultural College, Manhattan, Kans. "Sudan Grass is a comparatively new crop but it has proven superior to either Rye or Rape for general, annual, pasture purposes. Since Sudan Grass is a Sorghum and hence drouth resistant it is especially well adapted to annual pasture production in Kansas. One of the most important features of this crop is that it comes on at a time when the permanent pastures are failing, and then a patch of Sudan Grass enables the farmer to tide his



Mrs. Field and our two grown daughters, Faith and Hope.

stock over the dry season without loss."

Now I would not want to mislead or misinform anyone for the world, for I know you all depend on me to give you the straight dope, but the summing up of all this is that so far as anyone knows, there is no danger in pasturing Sudan. The Oklahoma State College mentions that they have never heard of any such cases except in the state of Washington, and I judge that this is second hand information and if traced down might possibly be found to be some other cause rather than anything poisonous in the Sudan. Thousands and thousands of readers of Seed Sense have been growing Sudan for several years and almost everyone pasturing it and none of them have ever been able to report any bad results.

So, I believe you can feel perfectly free in using it as a pasture for any kind of stock.

It is especially valuable for hogs and has been used more for that than for any kind of stock, but it is equally good for horses and cattle.

Hammocks for Sale

One of our customers makes hammocks for living, the old fashioned hand-made, square esh hammock made from No. 28 cotton twine. We have one of them at our summer home at Manti and like them better than the kind you buy in the stores and I have decided to offer them for sale through Seed Sense. The prices are as follows:

0 ft. length complete with swivels \$2.75 each
9 " " " " " " 2.50 "

The ten foot is the regular size, but some eople like the nine foot because it is handier to ang on a porch where there is not room for the longer one. This price includes postage prepaid anywhere in zones 1, 2, 3 or 4. Add 10c per zone for each extra zone beyond 4. The hammocks are guaranteed satisfactory in every way or no trade.

The Rose Without a Name

"Dear Sir: My recent order from your nursery received. The plums, cherries and roses ordered reached me in splendid condition. If they do not grow Henry Field will not be to blame. I am writing this letter because Mrs. Ramsay wishes to express thanks for the extra rose. But how aggravating in you to send a fine rose like this without a name. Now, I can tell whether it is a fine Santa Juzian or a Polohelian or just a common Dexahickison. I tell her you will not remember what you sent, but she said that she saw in one of your books where you gave a history of your whole business minutely describing every seed you ever planted, the color and character of the dirt in which planted and the exact plant produced by every seed. I hope that you will fix up a name of some kind for the extra rose and send it to me. I don't care if you call it Foxfire, just so you name it. Yours truly,"—L. D. Ramsay, Rock Port, Mo.

How Much Could You Pay Down on a Wheelhoe?

All right, send it along, and we will ship you the wheelhoe you want at once and let you pay the balance as you can earn or save the money. H. F.

Yes, I mean it and no joking. I am a great believer in wheelhoes, and am certain that there ought to be one in every garden. They are a real necessity. But I realize that they cost money, and more money than lots of people have on hand all together at one time.

I have been studying the orders and inquiries for wheelhoes, and I find that the greatest reason and in fact about the only reason most people do not buy, is the comparatively big initial cost. They know the tool would soon pay for itself in more and better garden easier planted and tended, but the cash outlay to start with is the rub.

It's mostly women or boys who want them and I know women and boys, sad as it may seem, are not blessed with much ready cash as a rule. They earn money easily, but there are plenty of places to put it, and it won't keep.



Now Here's What I Am Getting At

If you can make a fair first payment down, say one-fifth of the price, I will sell you any wheelhoe or drill you want, at our regular prices as given in the catalog, ship it to you at once so you can start using it, and you can pay the rest at the rate of one-fifth of the price each month following. (This offer does not apply to tools priced at less than \$5.00.)

There will be no extra charge and no red tape. It's simply a plain credit proposition, giving

you a chance to pay for the machine out of your egg money or your wages, or out of your garden, or any way you please.

Make It Pay for Itself

The best part of it is, the machine will pay for itself in more and better garden, and I am giving you time to let it do that. I have faith in the machine and faith in you, and I don't believe either one of you will go back on me.

If You Want a Wheelhoe or Drill, Fill in the Coupon Below

To Henry Field Seed Co., Shenandoah, Iowa _____ Date _____

Please ship me at once the following garden implement _____

_____ Price _____

I enclose herewith \$_____ (one-fifth of the purchase price) and will pay the balance at the rate of one-fifth of the price each month until all paid. It is understood the tool is to remain your property until fully paid for. It is also understood that if the tool is not fully satisfactory I may return it anytime within 10 days after I receive it, and the money I have paid will be refunded.

Name _____

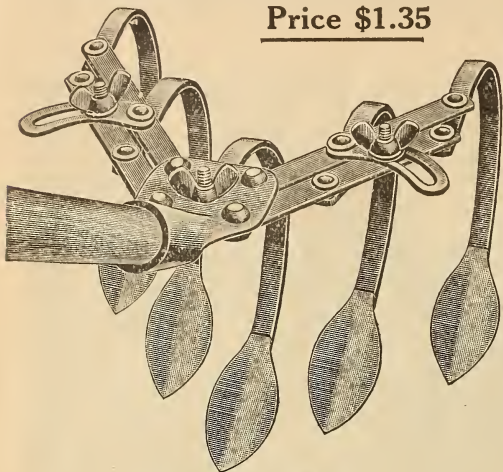
Postoffice _____ State _____

Shipping Station (if different from P. O.) _____

References _____

Pull-Easy Hand Cultivator

Price \$1.35



It's a Pull-Easy

Five Prong Adjustable Cultivator

The only cultivator of this kind that's adjustable. Combines the popular five prong style with the great Pull-Easy Adjustable Feature. When spread to full width of 11 inches will prepare a deeper, finer seedbed than a rake.

Costs no more than the old rigid style and outsells it two to one. It is guaranteed.

A—Sharpened points concaved to insure perfect scouring.

B—Center tooth easily removeable.

C—Instantly adjustable 7 to 11 inches wide.

D—Channeled steel teeth. Guaranteed unbreakable.

E—Four-foot polished straight grain handle.

PRICE. The price is \$1.35 net, f. o. b. here. It can be sent by Parcel Post all right, if you will allow postage for 3 lbs. This will be 7c for zone 2, 10c for zone 3, 15c for zone 4, and so on.

I have tried out lots of these hand tools, but never found one I cared to push till I struck this one. It does the work, is sold right, and suits me in every way.

Don't blame the boy or the woman if they can't keep the garden in good shape with an old broken backed hoe and rake. Get one of these and a wheelhoe and drill and have a real garden.

Pleased With the Seeds

"Dear Sir: Enclosed you will find my second order for garden seeds from you. I was well pleased with the seeds which I received from you last spring. As you say the top of this page Pass my catalog along the line. It seems as though all of my neighbors have one of your catalogs so you won't need to send me any more. Some of them have ordered from you for years and seem well satisfied.

Wishing you good luck for this season.

Yours friend,"—L. L. Mooney, Las Animas, Colo.

Tomato Seed Did Splendid

"The tomato seed I got from you did splendid. A good stand of plants in 6 days, from time of sowing the seed. Yours truly,"

—J. C. Courtenay, Judsonia, Ark.

Pansy Plants for Sale

We will have thousands of pansy plants for shipment after April 15th. They are grown from the very finest strains of seed and we can assure all lovers of this beautiful flower that they will be surprised and pleased with the size and beauty of this strain of pansies. They will be sent by mail, extra well packed, and safe arrival guaranteed.

Price: (All plants in bud and bloom)

1 dozen, mixed colors, postpaid, 50c.

3 dozen, mixed colors, postpaid, 1.25.

Extra large plants with lots of dirt on the roots, by express, not prepaid, at same prices.

Tomato and Cabbage Plants

We are having a nice lot of tomato and cabbage plants grown and we will be able to fix you out in good shape. They will be ready about May 1st or possibly earlier.

Tomatoes, (heavy transplanted plants), delivered by parcel post, prepaid, 6 for 25c, 12 for 40c, 25 for 75c, 100 for \$2.50.

Varieties: Early June, Mississippi Girl, New Stone, Earliana and Redhead. Also Pepper, Eggplant and Cauliflower at the same price.

Cabbage plants, leading sorts, 12 for 25c, 25 for 40c, 100 for \$1.50, all delivered by parcel post, prepaid.

Ask for special prices on larger lots of cabbage plants.

Plant Onion Sets

The quickest money in the garden is from the onions from sets. We are selling enormous amounts of them this year, but fortunately had a good supply. We are out of whites, but have plenty red and yellow yet. No change in prices.

Postpaid Prices on Field Seeds

We find there are lots of people who want only small amounts of field seeds especially Sudan, Cane, Feterita, Rape and such seeds as that. For their convenience we have made up this list, which is as near right and fair for every one as we can figure it.

Postpaid prices in Zones 1, 2, 3 and 4. Add 2c per lb. to these prices for each zone beyond.

	lb.	2lbs.	3lbs.	5lbs.
Feterita	20	.35	.50	.80
Broom Corn	20	.35	.50	.80
Kaffir, Milo, etc.	20	.35	.50	.80
Soy Beans, all kinds	25	.40	.60	1.00
Cow Peas, all kinds	25	.40	.60	1.00
Syrup Cane, Wisc. Amber	35	.65	1.00	1.50
Syrup Cane, other sorts	25	.45	.65	1.00
Dwarf Essex Rape	25	.45	.65	1.00
Field Beans, all kinds	25	.45	.65	1.00
Field Corn, all kinds	25	.45	.65	1.00

Remember these prices are for postage paid in Zones 1, 2, 3 and 4. For Zones beyond 4, add 2c per lb. for each extra zone.



We Can Furnish Soy Beans

There is going to be a big demand for Soy Beans this year, and the supply is short. There is not going to be half enough of the right sorts to supply the demand.

We have been looking out for this and have been quietly buying up all the good seed stock we could get, mainly in northern Missouri and in Illinois. We have the varieties that are grown and recommended there.

Jet (early black).

Black Beauty (large, medium late).

Shingto, Hollybrook, Morse, Mongol, Medium Yellow (all very similar varieties of early or medium early yellow).

PRICES: For this month I am making a special price of 9c per lb., net, in fair sized lots. We furnish bags, you pay express or freight.

For planting with corn, use about 4 lbs. of Soy Beans per acre, either mixed with the corn in the planter boxes, or planted with a separate set of boxes on the planter. You can get this attachment for any corn binder for about \$14.00.

Standard Inoculating Bacteria

Hastens Maturity Increases the Yield
Builds Up the Land Enriches the Soil
Improves the Feeding Values

Easy to Apply—Simply moisten the seed before sowing. Full directions in every package.

Prepared for
Alfalfa Sweet Clover Soy Beans
Red Clover Cow Peas Alsike Clover
Field Beans Crimson Clover Navy Beans
Vetch Canada Peas Sweet Peas
Garden Beans Garden Peas

PRICE:

Garden size	-----	\$.45
1-acre size	-----	.75
2-acre size	-----	1.40
4-acre size	-----	2.25
6-acre size	-----	3.00

By Mail 5 cts. Extra

You Can Now Order "Nitragin" as Follows:
(These cultures are put up in ½, 1 and 5-acre sizes.)

Alfalfa or Sweet Clover-----Culture A
Clovers—Such as Red, Alsike, Crimson,
White, Yellow, etc-----Culture B
Garden and Field Peas or All Vetches

-----Culture C
Garden and Field Beans-----Culture D

Soybeans -----Special Soybean Culture
Cowpeas -----Special Cowpea Culture
Sweet Peas-----Special Sweet Pea Culture

We also furnish special "Nitragin" cultures for the following: Beggarweed, Fenugreek, Horsebeans, Lentils, Lupins, Peanuts, Sainfoin and Serradella.

(Cultures for less extensively used legumes furnished on application.)

Prices on "Nitragin"

Garden size ----- \$.30
(For peas, beans and sweet peas)

½ acre size	-----	.50
1-acre size	-----	1.00
2-acre size	-----	1.80
5-acre size	-----	4.00
10-acre size	-----	7.50

Postage, express or freight charge extra

By all means inoculate the Soy Bean seed.

The 1-acre size will treat 90 lbs. of Soy Beans.

SPECIAL NOTICE

A 1-acre package of Inoculating Bacteria will inoculate 1½ bu. (90 lbs.) of beans, peas, or any large sized seeds.

When used for the smaller seeds; such as alfalfa and clover a 1-acre package should be used for each 15 lbs. of seed.

For Vetch use a 1-acre package for 20 lbs. of seed.

Plenty of Hayseed

Hay is going to be some object this year, and we will all have to plant lots of rough stuff for forage and fodder. Stuff that you plant on waste land or as a catch crop where you have failed to get a stand of other crops. We look for an enormous demand for cane, and millet, and kaffir, and all such crops late in the season. Along in May and June there will be the worst rush you have ever seen, stocks low, and prices rising. Remember how it was last year. We refunded thousands of dollars, late. Better get busy and order while you can. We have big stocks on hand now and can make these prices, for quantities. Small lots higher.

Fodder Cane	-----	\$2.25 per bu.
Millet (golden)	-----	3.00 " "
Kaffir and Milo	-----	3.36 " "
Sudan Grass	-----	.25 per lb.
Dwarf Essex Rape	-----	.15 " "
Soy Beans	-----	5.40 per bu.
Feterita	-----	3.92 " "
Fodder Millet	-----	2.00 " "
Ensilage Corn	-----	3.50 " "
Buckwheat	-----	3.00 " "

Banana Squash

"Think your Banana Squashes can not be beat for pies, they are the finest grained squash we ever ate. Thank you for your kindness and promptness in filling former orders. I am sending another order here. Yours truly,"—Ira T. Hewins, Springfield, Colo.



Pure Bred Eggs for Hatching

	Prices	Pr. 100	Pr 50	Pr. 15
Barred Plymouth Rocks	---	\$10.00	\$5.50	\$2.00
White "	--	10.00	5.50	2.00
White Leghorns S. C.	-----	10.00	5.50	2.00
Brown Leghorns S. C.	-----	10.00	5.50	2.00
Buff Leghorns S. C.	-----	10.00	5.50	2.00
White Wyandottes	-----	10.00	5.50	2.00
Light Brahmas	-----	10.00	5.50	2.00
Black Langshans	-----	10.00	5.50	2.00
Rhode Island Reds S. C.	---	10.00	5.50	2.00
Rhode Island Reds R. C.	---	10.00	5.50	2.00
Buff Orpingtons	-----	10.00	5.50	2.00

The above prices include prepayment of parcel post charges anywhere in Postal Zones 2, 3 and 4. For zones beyond, add 10 per cent for Zone 5, 20 per cent for Zone 6, and 30 per cent for Zone 7.

We ship all eggs by Parcel Post, in the Diamond egg carriers described elsewhere in this book, and we guarantee safe arrival. In compar-

ing prices, please note that practically all dealers ship by express at your expense and risk. That makes a big difference.

We guarantee the eggs we send out to be fresh and to show a high percentage of fertility. We can't guarantee a full hatch for we can't be there to boss the setting hens, but if you fail of a hatch and really think the fault is with the eggs, we will refill the order at half price.

We will try to fill all orders promptly. If you prefer you can specify exactly the future date you wish the eggs shipped.

We can offer limited amounts of several other breeds not named above. If interested, ask for what you want and we will tell you what we can do.

Send along your orders, and I know we can please you. You know our reputation for making good on everything we do.

Poultry Department, Henry Field Seed Co. Shenandoah, Iowa

The above announcement is mostly self explanatory. I have tried to make it as concise and to the point as possible. I don't believe you care for a lot of blow and hot air and big talk. It is not necessary anyway.

You know us and know you can depend on us in any line we handle. We are handling the poultry business along the same lines as our seed business. Good stuff, fair prices, and liberal treatment.

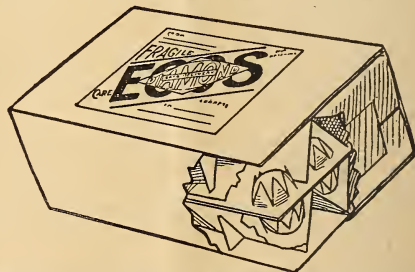
The stock we offer is all farm range, healthy vigorous and pure bred. We have a lot of the best farm women in this part of the country co-operating with us and growing the poultry on the farms, each flock by itself on a separate farm. with a whole quarter section or more for range. No town bred cooped up stuff for us.

We do not promise show birds and we don't talk fancy points, but if it's good straight bred healthy hardy farm raised stuff you want, we can fix you out.

Henry Field.

P. S. Mr. Eldridge, our trouble man, is fussing about that picture up at the top. He swears those are fighting Games and that everybody will think we keep that kind and order nothing else. Now to tell the truth I used that cut because it looked pretty and the chickens in it looked healthy and hearty and I didn't happen to have any good pictures of the regular kinds. So I didn't mean any harm and we don't keep Games, and I hope we don't get into trouble over that picture.

H. F.



Diamond Egg Carrier and Prices

We carry in stock here, ready for immediate shipment, the 12, 15, 30, 36, 50 and 60 egg sizes. They come to you knocked down, and packed in bundles of 1 dozen each.

Here are the prices:

Size	Price per doz	Wt. per doz.
12 egg	\$2.90	12 lbs.
15 egg	3.00	16 "
30 egg	4.80	28 "
36 egg	5.45	29 "
50 egg	7.75	42 "
0 egg	8.45	43 "

These prices are f. o. b. here, and they can be sent either by express or parcel post. If wanted by parcel post, add postage for the weight indicated. Less than a dozen of either size, supplied at one-tenth of the dozen price each.

Emergency Hay Crops

(From the Iowa Homestead)

The four or five principal crops suitable for forage are sorghum, Sudan grass, millet, oats or oats and peas, and soy beans.

Sorghum should be sown during the latter part of May when the ground is thoroughly warm. Early amber is the variety usually seeded. Sorghum is a hot-weather plant, hence the reason for late seeding, and may be seeded any time during June and as late as the fourth of July. Since it is a very slow grower at first it is highly desirable to thoroughly prepare the seed bed for this crop. Plow and disk the ground as early as practicable in the spring and keep it harrowed from time to time so as to kill as many weeds as possible before the sorghum is seeded. It may be sown in drills but it makes a better quality of forage if seeded broadcast at the rate of 60 to 80 pounds of seed per acre. The larger amount of seed mentioned will insure a relatively fine-stemmed hay—a hay that will cure more easily and one that is also more palatable than when thinner seeding is followed and larger stalks produced.

Sorghum hay is usually ready for cutting about the time of the first frost. Sometimes it is ready a little earlier, but the aim should be to cut before it is nipped by frost. It is usually allowed to cure in the swath for three or four hours or longer, and then cocked up in the field and allowed to cure in the cock for from five to eight weeks.

Sudan grass is still a comparatively new crop. It is rapidly gaining in popularity and many like it better than sorghum for hay. It is unquestionably fully equal to sorghum as a forage crop. It belongs to the same family as sorghum and hence is regarded as a hot-weather plant. It ought not to be seeded before the latter part of May or the first week in June, but like sorghum it may be seeded as late as the first week in July. It produces a highly palatable forage, relished by all kinds of live stock. The seed bed should be well prepared and made as fine as possible. From 12 to 15 pounds of seed is considered the right amount per acre. While Sudan grass seed is high in price the quantity required is comparatively small so the cost per acre is not excessive. It will yield from two to three tons of hay per acre, depending, of course, upon the quality of the soil and the time of seeding. It is easier to cure than sorghum.

Millet is one of our old stand-bys as a catch crop. It has about the same feeding value as timothy hay, but is not suitable for horses and, in fact, it is not advisable to feed excessive quantities of it even to cattle. Horses ought never to receive more than one feed of millet a day and that should be a medium one. It acts injuriously upon the kidneys of horses and it is just as well to not use it as feed for horses at all. For cattle, however, it does not seem to be injurious unless fed as an exclusive feed. Fed with cornstalks or hay it makes a splendid feed. The usual varieties grown in this locality are the German and the common millet, the common millet being the earlier variety and consequently may be seeded later in the season than German millet and still produce a good crop. Sow either



Three Missouri Girls

This picture was sent me by Mrs. Lela Marshall, Perrin, Mo., but she didn't tell me the names of the girls or tell me how old they are. Anyway, they are mighty nice bright girls. Missouri is full of that kind and these are just a fair sample.

one at the rate of three pecks per acre any time from the latter part of May to the first week in July.

Soy beans have come into use in recent years and are giving very satisfactory results as far north as central Minnesota. They are a leguminous crop and of special value to the man who lost his clover stand last summer and is anxious to have a legume to take the place of the lost crop. For hay soy beans could be seeded at the rate of five or six pecks per acre. On account of their high price this makes a rather expensive seeding. On the other hand they yield well and produce a very high quality of hay that contains nearly as much protein as good alfalfa and more than all other legumes except alfalfa. Those who prefer, on account of the high price of seed, may drill soy beans in rows 28 to 30 inches apart and thus get a good stand from about a peck and a half of beans per acre. The yield of hay will be practically as much as when seeded broadcast, but it will be necessary to cultivate soys at least two or three times during the season. The beans will also be somewhat coarser when grown in rows and, therefore, will not make quite as palatable hay.

Fine Plants

"Gentlemen: I feel it a duty of mine to write you in reference to the roots you sent me about three weeks ago. I never saw such nice ones. I planted them at once and the pieplant and asparagus is up nicely with good strong shoots. I purchased some from a California nursery last season, not a single plant grew and I don't believe I am going to lose a single plant from yours this year. Yours truly,"

—C. F. Bush, Blythe, Colo.

Canning Dope

The National War Garden Commission, Washington, D. C. have published a very complete and practical 32 page booklet, "Home Canning and Drying," which tells all about this subject. You can get a copy by addressing them or we would be glad to furnish you a copy as long as our supply lasts.

The "Cold Pack" system which they recommend is all right for we tried it out last season and had great success. It is very simple and the canning is done with a minimum amount of work.

Time yet to plant for your canning supply and I would suggest that you plant liberally for it is better to have too much than not enough and it is hardly likely that it will go to waste after using for your immediate needs in addition to what you can. The cost of the seed and work is a small item compared with what you get anyway.

Beans

Three pounds of seed will plant six fifty-foot rows.

Six fifty-foot rows will yield at one picking two bushels.

Two bushels of beans will can forty quarts.

Sweet Corn

One and one-half pounds of seed will plant twelve one-hundred foot rows.

Twelve one-hundred foot rows will yield at one picking, five hundred ears.

Five hundred ears will can fifty quarts corn.

Peas

Six pounds of peas will plant six fifty-foot rows.

Six fifty-foot rows will yield at one picking two bushels of peas.

Two bushels of peas in the pod will shell out twenty quarts.

Twenty quarts of shelled peas will can twenty quarts.

Tomatoes

One packet of seed will produce an abundance of plants.

Twenty-five plants spaced four by five feet will yield at one picking, two and one-half bushels.

Of course these quantities will vary with the season and the care the crop receives. At best, it is only an estimate but it is an estimate based on records of yields and is close enough for all practical purposes.

As to varieties, among the beans, the Stringless Green Pod is as good as any in a green pod. If you prefer a yellow or wax pod, Surecrop Wax is good as is also Round Pod Kidney Wax or Black Wax.

In the peas there is nothing better than Little Marvel or Dwarf Champion.

In the corn, White Evergreen, Stowell's Evergreen or Country Gentleman.

For tomatoes, New Stone is used for this purpose more than any other. Mississippi Girl is also fine. Ponderosa is the best quality. Bonny Best and Chalk's Early Jewel are good for medium early canner.

Select some of the varieties I have named and you will not be disappointed. However, there are others that will answer fine and if you have a preference use it.

Sudan for Hog Pasture

Don't forget that Sudan makes the finest hog pasture of anything you can grow. Also, it makes hog pasture that will last all summer.

There is only one thing that could possibly be any better hog pasture than Sudan and that is Alfalfa, and if you have Alfalfa you are lucky, but the trouble is that most of us do not have enough Alfalfa.

While we are waiting for Alfalfa and getting it started the thing to do is to sow Sudan and you will have the next best thing.

Last year I had the Sudan in the same field with the Alfalfa, in which I pastured my hogs, and I found that the hogs like it better than the Alfalfa and kept it eaten down all summer.

It keeps coming up just like Alfalfa does and the more it is eaten down, the more it starts up. You can turn in on it about the middle of June and from then on until frost in the fall, it gives a wonderful amount of feed.

You can either sow it broadcast, drill it in rows or put it in with a wheat drill. My advice would be to put it in with a wheat drill just like you would wheat or oats, only later in the season, just before corn planting time. Have the ground in good condition, use 20 pounds of seed per acre and don't put it in over an inch deep.

It will stand any amount of drouth and hot weather and come up smiling all the time, it will make good hay.

How and When to Sow Sudan

The best time to put in Sudan is right after corn planting time. It can be put in with fair success before corn planting, but it is a hot weather crop and really does not enjoy itself or grow to amount to anything until the ground and the weather gets thoroughly warm. There is nothing gained by early planting, for the chances are that the weeds will grow while the Sudan is laying waiting for hot weather.

The biggest and best crop we ever grew was planted June 9th on overflow land where the corn had been washed out. It made a yield of about 4 tons of hay per acre of unusually good quality.

I have planted it with fair success as late as July 4th, but of course, the yield was not heavy.

Remember the ground should be in good condition first. You can't rough it in and expect much success. Get the ground in the best possible condition, wait until it is warm and put the Sudan in rather shallow, covering it not more than an inch deep.

In regard to how to sow it, it really don't matter much. You can put it in rows like corn with a cornplanter, you can put it in in close rows with a wheat drill or you can sow it broadcast.

Sudan for the Silo

While we have never had any actual personal experience in putting Sudan in the silo, I have had lots of letters from customers who have and they say it is wonderful stuff for the silo as it makes a heavy yield and makes silage of good quality. No matter how dry the season you are sure a crop of it and sure of something to fill the silo with.

Date _____

Please send me at once the seeds below, for which I enclose in payment \$

Name.....Postoffice.....

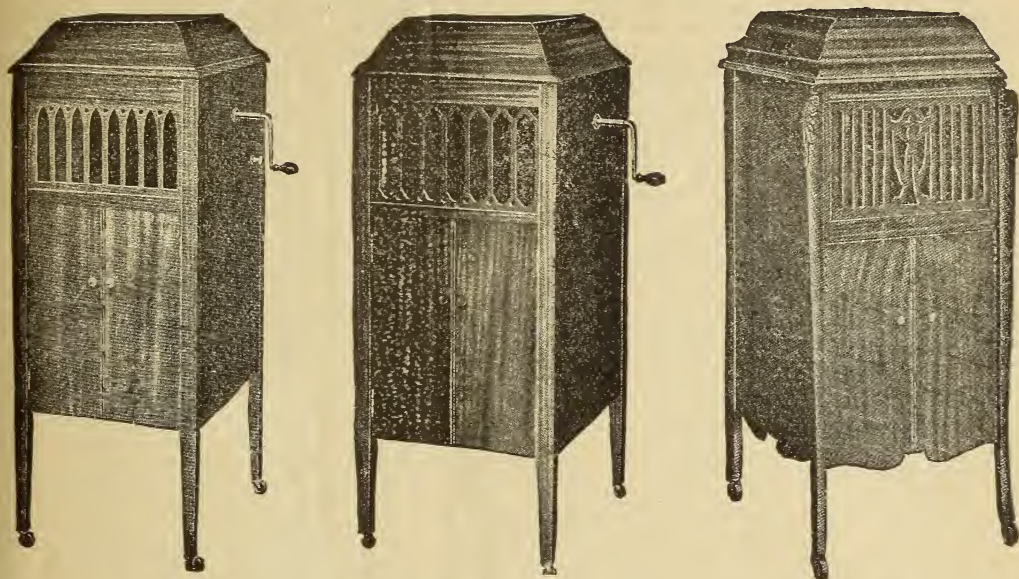
County.....R. D., Street or Box No.....State

Shipping Station.

Shipment How.[illegible]

Write directions regarding the order in space below, not in a letter separate.

Have You a Phonograph?



Last month I told you we were going into the phonograph business and I am certainly surprised at the letters we have been getting and are still getting from customers all over the country who want to buy phonographs and records from us. I guess they know that when Uncle Henry offers anything it is good and they can depend upon it.

The more I compare the SHENANDOAH Phonograph (that's the name of our instruments), with other machines the more I feel that we have an instrument to be proud of. The music that instrument of ours can turn out is simply great. The all wood sound chamber and throat (violin construction) does away with the metallic sound altogether. The tone arm being of Universal type permits the playing of any kind of disc records and instantly converts the instrument from a Victor or Columbia type to a Pathe or Edison type. The sound box and diaphragm we use is of the very finest and so sensitive that it brings out the faintest shades of the violin as well as the full tones of an orchestra or band. Yes, and the motor is the best make money can buy, fully

guaranteed and absolutely noiseless. The cabinet construction is such that you simply must see the actual article to appreciate the beauty. We furnish any model in either mahogany, fumed oak or golden oak.

I have shown above three of the six models we have to offer. That's just a teaser, let me send you our phonograph catalog which shows them all and tells you all about them. We sell them for cash or we sell them on payments so easy that you will never miss the money and we give you six double disc records (your choice) with every instrument regardless of whether you pay cash or not. You can have any model on 10 days trial without obligation to you, for we want you to see exactly the quality and tone.

We have records also, a tremendous stock of Columbia records and every one knows what the famous Columbia records are like so it is needless to describe them. They can be played on any machine that uses disc records. Let us send you our list so you can take advantage of our big line of selections.

Choice Record Selections

Here's a few of our choice record selections. You should have all of them in your cabinet. All are double disc records and are sent by parcel post postpaid. Send for complete Columbia Record list.

- | | |
|---------------|--|
| A2701 | I'm Forever Blowing Bubbles. Tenor duet. Campbell and Burr. |
| 10 inch 85c | Beautiful Ohio. Tenor solo by Henry Burr. |
| A2695 | Royal Flying Corps. (March). Accordion solo, Gudio Derio. |
| 10 inch 85c | Marines March. Accordion solo, Gudio Derio. |
| A6097 | Finlandia Overture. Columbia Symphony Orchestra. |
| 10 inch 85c | En Bateau, from "Petite Suite." Columbia Symphony Orchestra. |
| A2699 | Salvation Lassie of Mine. Tenor solo, Charles Harrison. |
| 10 inch 85c | When You Look in the Heart of a Rose. Tenor solo. |
| A2707 | Ja Da! Jazz fox-trot. Sweatman's Jazz Band. |
| 10 inch 85c | Rainy Day Blues. Fox-trot. Sweatman's Jazz Band. |
| A6035 | Medley of Old Waltz Songs. Part 1. Prince's Band. |
| 12 in. \$1.25 | Medley of Old Waltz Songs. Part 2. Prince's Band. |



Wholesale Net Prices May 1, 1919

Good to May 31, 1919 (Subject to stock being unsold)
On Clover, Alfalfa and Other Grass and Field Seeds Which Fluctuate in Price

Address all orders to HENRY FIELD SEED CO., Shenandoah, Iowa

"From Iowa and
Proud of It"

We Want Early Orders—So we have made these prices very low considering present conditions and market. We have based them on what the stuff cost us, not on what it would cost us to replace it. We have got the seed in the house, bought right, and up to May 31, if it lasts that long, we will sell at these prices. When it is gone and we have to buy more at higher prices, you will have to pay more, providing you can get the seed at all. Better buy now while the buying is good. Write for special quotations after May 31, or send your order and I will fill at lowest possible price.

Time Limit. Note that these prices are good only till May 31, 1919, and if you do not buy in that time you should write for our new prices. We reserve the right to cancel these prices when stock on hand is sold.

These prices are f. o. b. Shenandoah, customer to pay the freight. If you want delivered prices we will make a special estimate for you on request.

No extra charge for sacks, except for wheat and rye. All other seeds are sold "sacks weighed in." Remember this when comparing prices.

Prices are strictly net, spot cash, and no discount. Safe arrival guaranteed. We guarantee that all seeds will reach you in good order.

Sold on Approval. These seeds are priced and sold with the understanding that if not found perfectly

satisfactory they may be returned at our expense and your money will be refunded. You can be the judge of quality.

Reference. First National Bank of Shenandoah, Ia.
Free Samples. We will gladly send free samples of any kind of seed quoted here.

Subject to Sale. All prices are subject to stock being unsold on receipt of order.

YOUR MONEY'S WORTH OR YOUR MONEY BACK
It is mutually agreed and understood that any seeds or other goods ordered of us may be returned at any time within ten days after receipt if not satisfactory and money paid for them will be refunded, but we do not and cannot, in any way, warrant the crop, as it is dependent on so many conditions beyond our control.

HENRY FIELD SEED CO.

(Every item is extra fancy grade unless

	Per 100 lbs.	Equals per bu.
Clover Seed (60 lbs. per bu.)		
Alsike	Ask for prices	
Medium or Common Red	" "	" "
Mammoth Red	" "	" "
White or Dutch	60.00	36.00

Sweet Clover (all hulled and scarified)		
White Biennial	30.00	18.00
Yellow Biennial	28.00	16.80
Ask for prices on unhulled, unscarified and annual.		

Alfalfa (all dry land northern grown, hardy)		
Kansas-Nebraska, poor but honest	10.00	
Kansas-Nebraska, first grade	15.00	
Dakota Grown	26.67	16.00
Montana Grown	28.00	16.80
Grimm	Ask for prices	

Timothy and Timothy Mixtures (45 lbs. per bu.)		
Timothy, best home grown	13.00	5.85
Timothy-Alsike mixture	15.00	6.75
Timothy-Red Clover mixture	17.00	7.65

Blue Grass (all 14 lbs. per bu.)		
Kentucky Blue Grass	30.00	4.20
Canadian Blue Grass	20.00	2.80
English Blue Grass	28.00	

Other Grasses		
Red Top, fancy solid seed	18.00	2.52
" unhulled or rough seed	10.00	1.40
Orchard Grass	out	
Bermuda Grass	50.00	
Lawn Grass Mixture	30.00	
Permanent Pasture Mixture	15.00	
Permanent Meadow Mixture	15.00	
Lowland Pasture Mixture	15.00	
Woodland Pasture Mixture	15.00	

Cane or Sorghum (all 50 lbs. per bu.)		
Syrup Cane, Orange (Short Orange)	15.00	7.50
" " Wisconsin Amber	25.00	12.50
" " Early Rose	15.00	7.50
Fodder cane, Amber type	4.50	2.25
" " Orange type	6.00	3.00
" " Mixed	4.50	2.25

Grain Sorghums (all 56 lbs. per bu.)		
Kaffir corn, white, black hull	6.00	3.36
Milo Maize	6.00	3.36
Feterita	7.00	3.92
Broom corn, Evergreen	10.00	
" " Oklahoma Dwarf	10.00	

Millet (50 lbs. per bu.)		
Golden	6.00	3.00
Common or fodder	4.00	2.00
Siberian	6.00	3.00

HOG PASTURE MIXTURE 7.00 3.50

Field Corn
See special price list or ask for special quotations.

specified otherwise).

	Per 100 lbs.	Equals per bu.
SUDAN GRASS	25.00	
DWARF ESSEX RAPE	15.00	
Vetch (60 lbs. per bu.)		
Sand or winter	22.00	13.20
Spring	12.00	7.20

Field Peas (60 lbs. per bu.)		
Whippoorwill Cow Peas	7.50	4.50
New Era Cow Peas	7.50	4.50
Mixed Cow Peas	7.50	4.50
Canadian or Northern	7.50	4.50

Soy Beans (60 lbs. per bu.)		
Medium Yellow	9.00	5.40
Extra Early Black	out	
Shingto	out	
Med. Early Brown	out	
Morse	out	

Small Grain (bags extra at cost on wheat)		
Winter Rye	2.25	
Spring Wheat, Marquis	out	
Spring Speltz or Emmer	1.50	
Barley	1.75	
Buckwheat	3.00	
Oats, Iowa 103	1.00	

Field Beans (prices for large lots)		
White Navy	15.00	9.00
Great Northern (large white field)	15.00	9.00
Pinto (Colorado brown striped field)	12.00	7.20
Tepary (dry landers)	12.00	7.20
Bunch Blackeye	15.00	9.00

Sweet Corn (50 lbs. per bu.)		
Stowell's Evergreen	20.00	10.00
Fodder (low grade)	10.00	5.00

Broadcast Seeders		
Cyclone, each		\$1.75
Little Wonder, each		1.25

We Sell Inoculating Bacteria

We can furnish inoculating bacteria for any of the legumes, and carry it always on hand here in two leading brands, the Standard and the Nitragin. It is specially made up for each of the leading crops, such as Alfalfa, Sweet Clover, Alsike, Red Clover, Soy Beans, Garden and Navy Beans, Cow Peas, Garden Peas, etc. Specify what seed you want it for.

Full directions with each package			
Standard Bacteria (bottles)	Nitragin (in cans)		
Garden size	45	Garden size	.30
1 acre size	.75	1/2 acre size	.50
2 acre size	1.40	1 acre size	1.00
4 acre size	2.25	2 acre size	1.80
6 acre size	3.00	5 acre size	4.00
		10 acre size	7.50

(Add 5c per bottle or can for postage)

These are wholesale prices, good for amounts of 10 pounds of a kind, or over. Add 2c per pound for amounts below 5 pounds. Add 5c per pound for